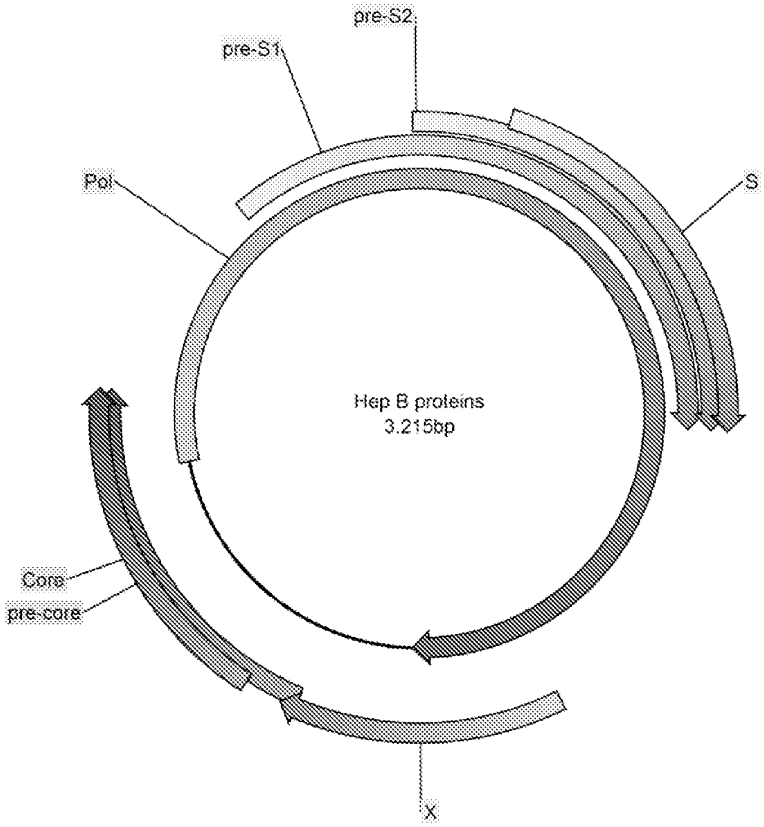


FIG. 1A

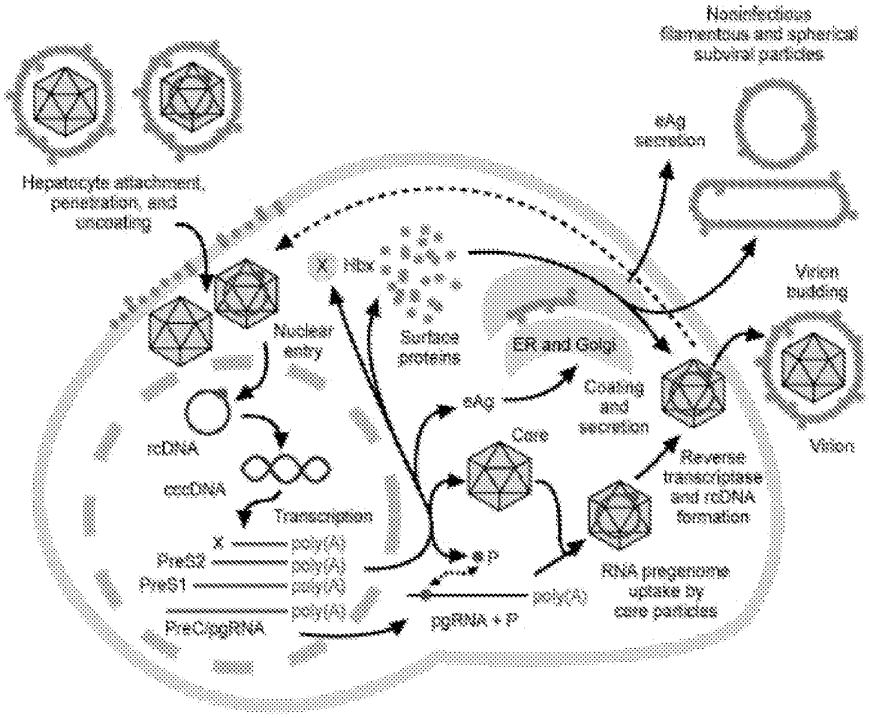

Noninfectious filamentous and spherical subviral particles
sAg secretion
Hepatocyte attachment, penetration, and uncoating
Virion budding
Nuclear entry
Surface proteins
ER and Golgi
sAg
Coating and secretion
rcDNA
Core
Reverse transcriptase and rcDNA formation
cccDNA
Transcription
X
PreS2
PreS1
PreC/pgRNA
poly(A)
RNA pregenome uptake by core particles
pgRNA + P

FIG. 1B

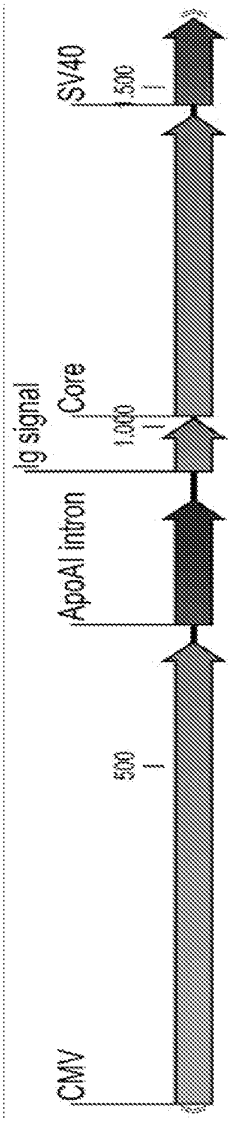


FIG. 2A

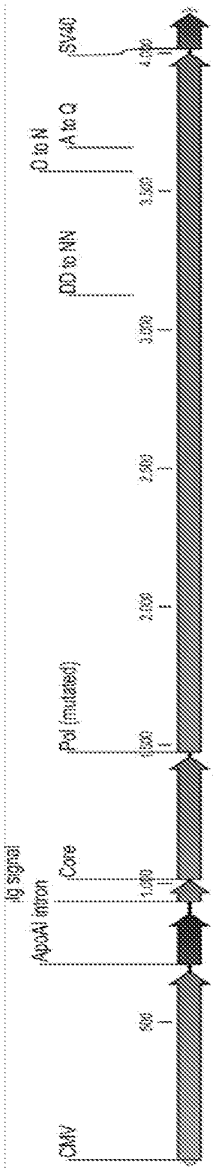

CMV
ApoAI intron
Ig signal
Core
Pol (mutated)
SV40
ΔD to N
A to Q
ΔD to NN

FIG. 2B

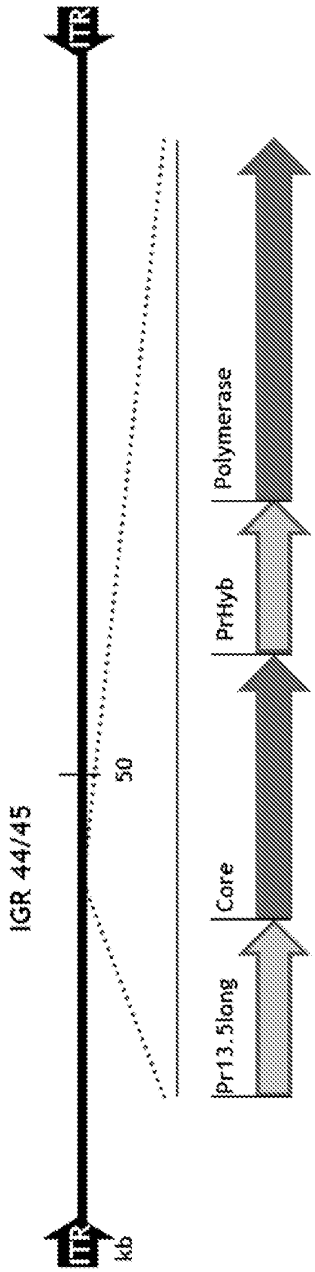


FIG. 2C

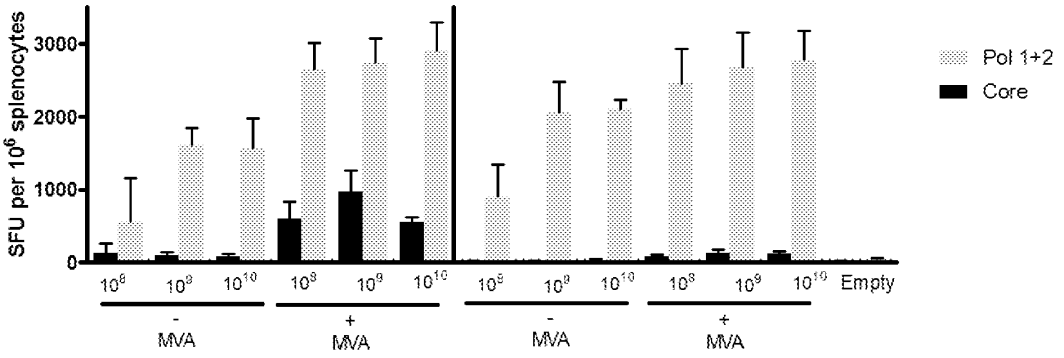

SFU per 10^6 splenocytes
3000
2000
1000
0
10^8 10^9 10^10 10^8 10^9 10^10 10^8 10^9 10^10 10^8 10^9 10^10 Empty
-
MVA
+
MVA
-
MVA
+
MVA
Pol 1+2
Core

FIG. 3

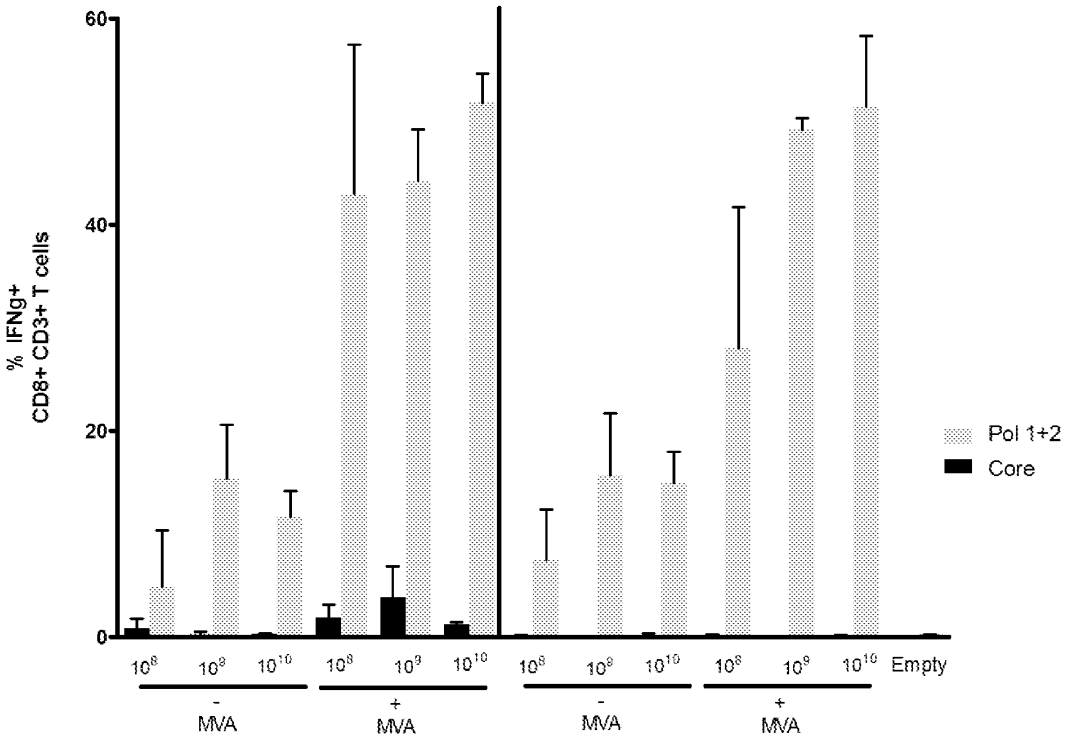

% IFNg+
CD8+ CD3+ T cells
60
40
20
0
10^8 10^9 10^10 10^8 10^9 10^10 10^8 10^9 10^10 10^8 10^9 10^10 Empty
-
MVA
+
MVA
-
MVA
+
MVA
Pol 1+2
Core

FIG. 4

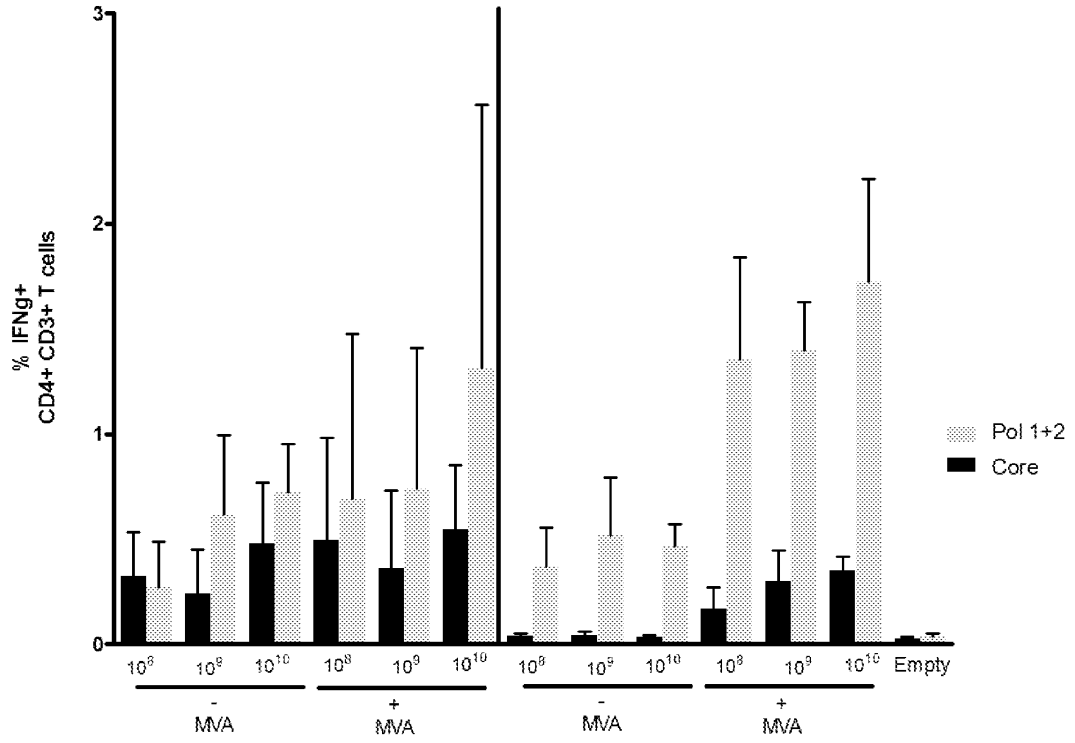

% IFNg+
CD4+ CD3+ T cells
3
2
1
0
Pol 1+2
Core
10^8
10^9
10^10
Empty
-
MVA
+
MVA

FIG. 5

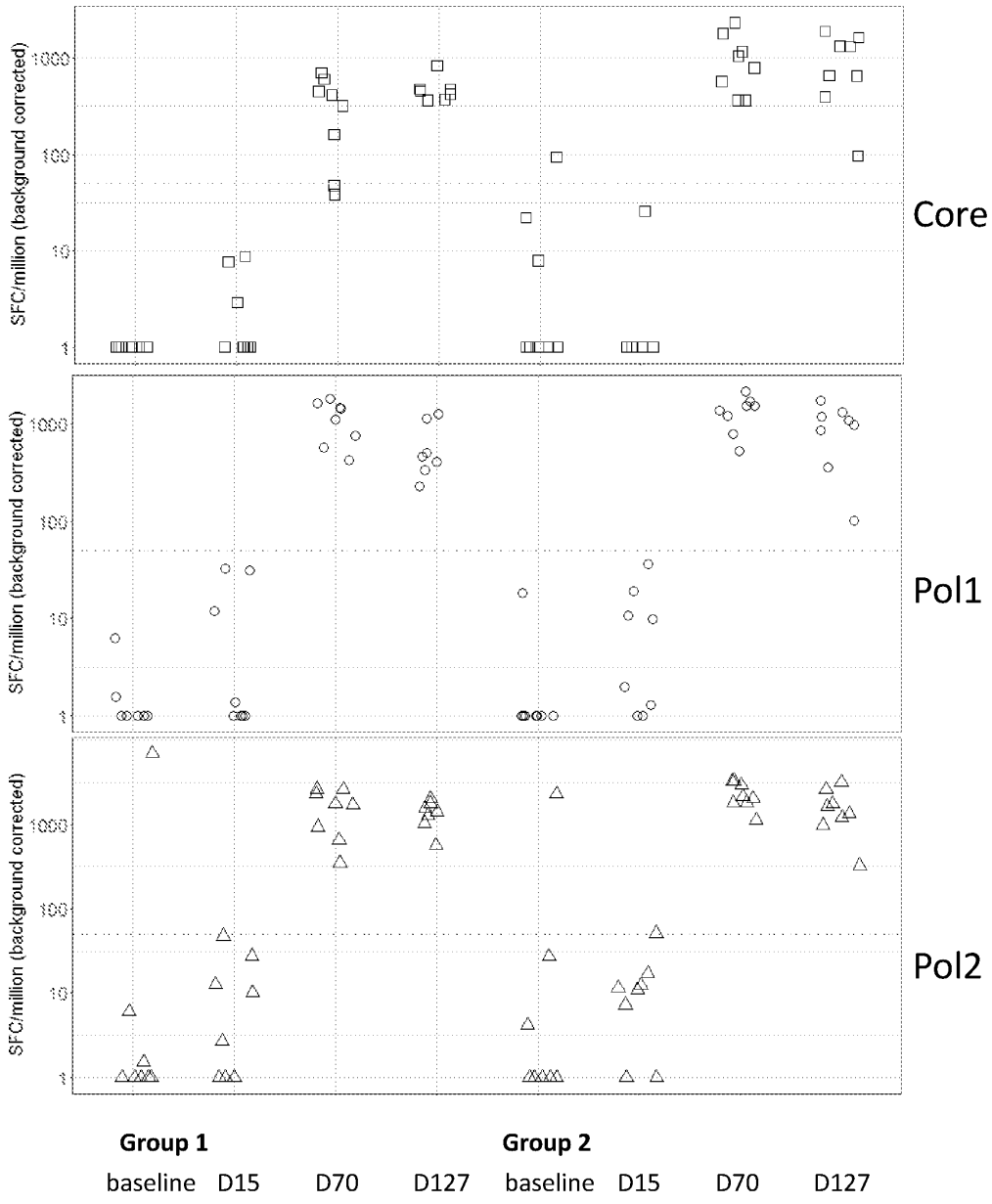

SFC/million (background corrected)
1000
100
10
1
Core
Pol1
Pol2
Group 1
Group 2
baseline
D15
D70
D127
baseline
D15
D70
D127

FIG. 6

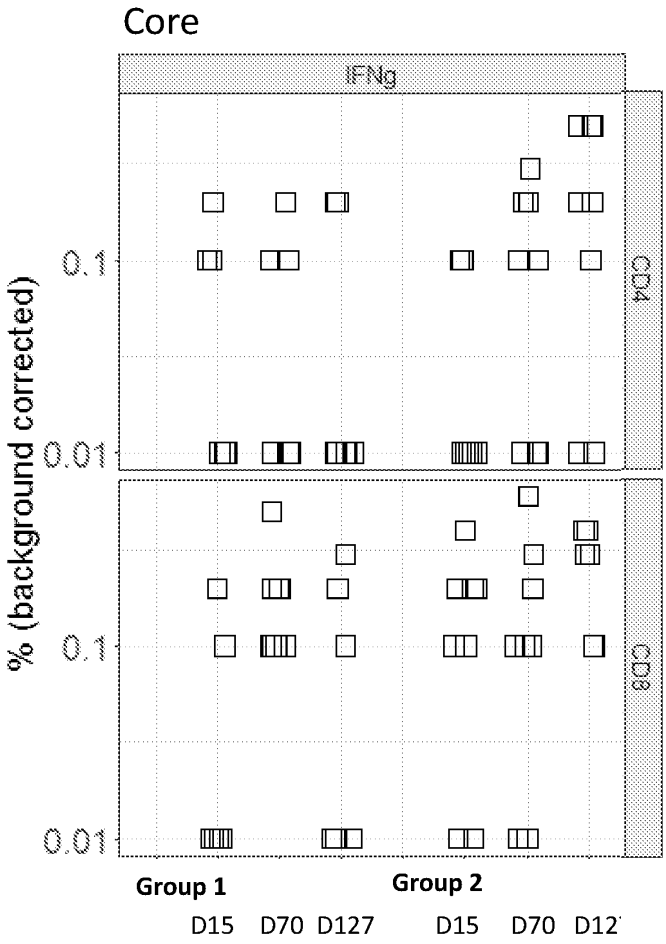

Core
IFNg
CD4
CD8
0.1
0.01
0.1
0.01
% (background corrected)
Group 1
Group 2
D15 D70 D127 D15 D70 D12

FIG. 7A

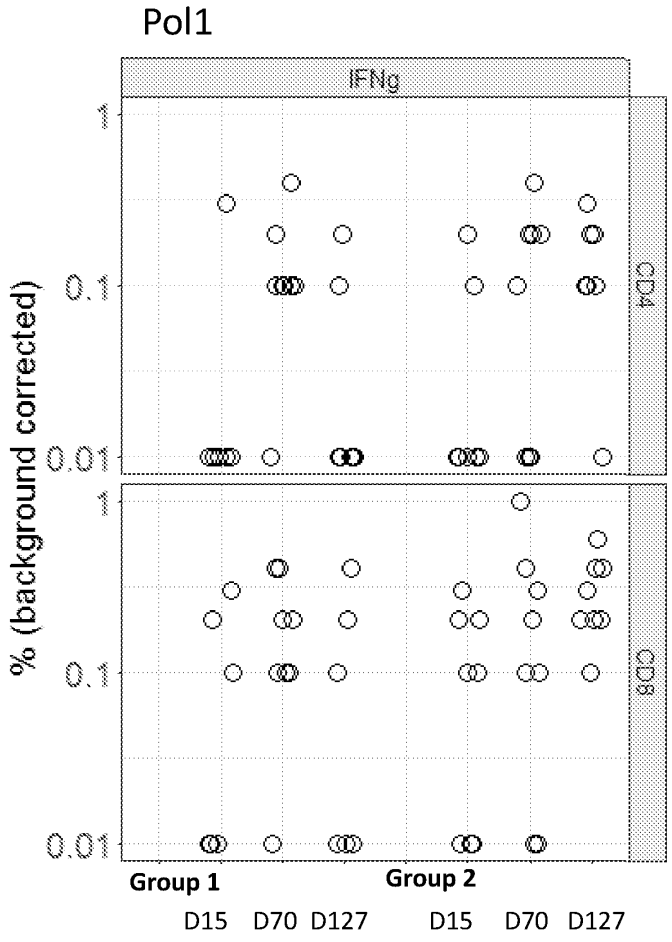

Pol1
IFNg
CD4
CD8
% (background corrected)
1
0.1
0.01
Group 1
Group 2
D15 D70 D127 D15 D70 D127

FIG. 7B

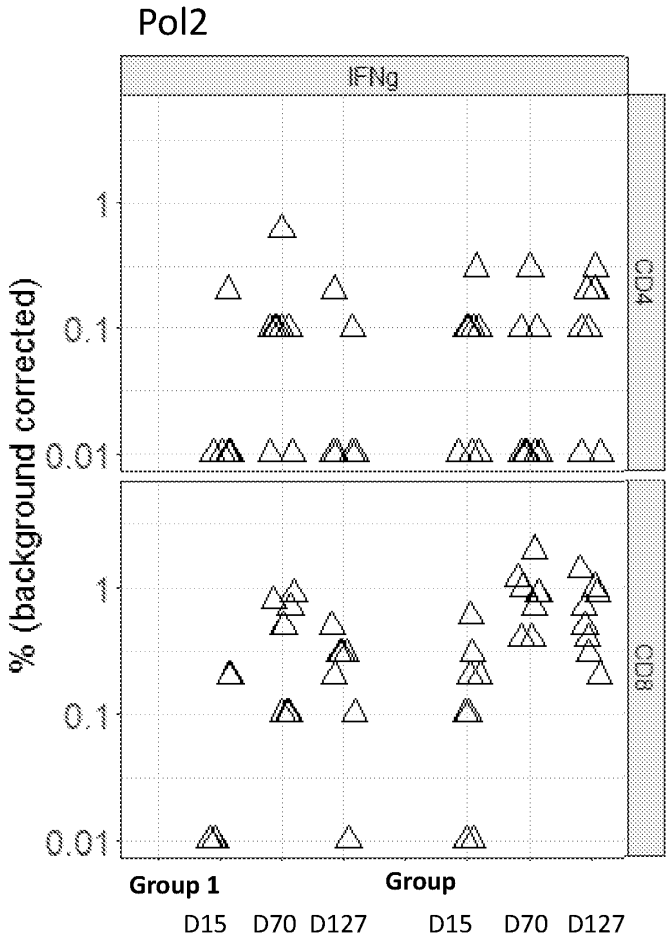

Pol2
IFNg
CD4
CD8
% (background corrected)
1
0.1
0.01
1
0.1
0.01
Group 1
Group
D15 D70 D127 D15 D70 D127

FIG. 7C